

COOLING SYSTEM

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ENGINE COOLANT

Warning

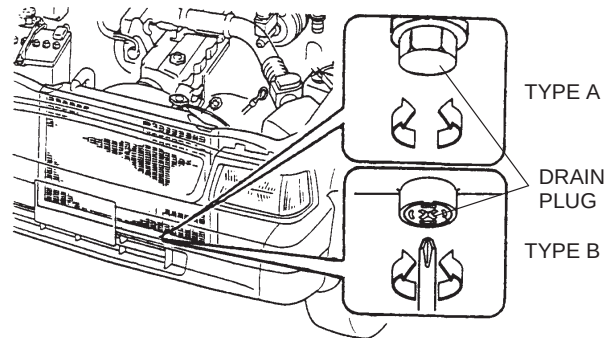
- Removing the radiator cap or loosening the radiator drain plug while the engine is running, or when the engine and radiator are hot is dangerous. Scalding coolant and steam may shoot out and cause serious injury. It may also damage the engine and cooling system.
- Turn off the engine and wait until it is cool. Even then, be very careful when removing the cap. Wrap a thick cloth around it and slowly turn it counterclockwise to the first stop. Step back while the pressure escapes.
- When you're sure all the pressure is gone, press down on the cap –still using a cloth– turn it, and remove it.
- When the engine and the engine coolant are hot, they can badly burn. Turn off the engine and wait until they are cool before draining the engine coolant.

ENGINE COOLANT LEVEL INSPECTION

1. Remove the radiator cap.
2. Verify that the coolant level is near the radiator filler neck.
3. Verify that the coolant level in the radiator reservoir is between the FULL and LOW marks.
4. Add coolant if necessary.

ENGINE COOLANT REPLACEMENT

1. Drain the coolant in the radiator reservoir.
2. Remove the radiator cap and loosen the radiator drain plug.



3. Drain the coolant into a container.
4. Flush the cooling system with water until all traces of color are gone.
5. Let the system drain completely.
6. Tighten the radiator drain plug.

Tightening torque

Type A: 1.5—2.9 N·m
 {15—30 kgf·cm, 14—26 in·lbf}
 Type B: 0.9—1.1 N·m
 {9.0—12 kgf·cm, 7.9—10 in·lbf}

Caution

- The engine has aluminum parts that can be damaged by alcohol or methanol antifreeze. Do not use alcohol or methanol in the cooling system. Use only ethylene-glycol-based coolant.
- Use only soft (demineralized) water in the coolant mixture. Water that contains minerals will cut down on the coolant's effectiveness.

7. Referring to the following graph and chart, select proper gravity of the coolant. Slowly pour the coolant into the radiator up to the coolant filler port.

Filling pace

1.0 L {1.1 US qt, 0.88 Imp qt}/min. [max]